

Title (en)
ELECTRIC SCOOTER WITH ON-BOARD CHARGING SYSTEM

Title (de)
ELEKTRISCHER TRETTROLLER MIT AN-BORD AUFLADESYSTEM

Title (fr)
SCOOTER ELECTRIQUE DOTE D'UN SYSTEME DE CHARGEMENT EMBARQUE

Publication
EP 1326761 A2 20030716 (EN)

Application
EP 01973549 A 20010925

Priority

- US 0130108 W 20010925
- US 67940800 A 20001004

Abstract (en)
[origin: US6326765B1] A two-wheeled electric scooter principally powered by batteries which together provide more than 100 volts. The scooter carries an onboard recharging system to replenish the battery supply. Accordingly, the onboard recharging system is not called upon to provide the main power source for acceleration and other operating conditions. A recharging system is implemented either as a fuel cell which trickle charges the battery, or an internal combustion engine which recharges the battery through a mechanical charging unit such as an alternator or generator. Regenerative braking is provided so as to further conserve energy by back driving the motor to recharge the battery pack during braking. Connections are provided for an external power source such as an AC outlet to be plugged into the scooter so as to provide an alternate mechanism to recharge the batteries.

IPC 1-7
B60L 11/18

IPC 8 full level
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CPC (source: EP KR US)
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